Application Development Process-LAB

Assignment no.2

Identify a problem:

➤ Problem statement:

Mr.Kishan has farming vehicles that remain idle for several months during the off-season, leading to machine breakdowns and increased maintenance costs. The vehicles are only used for a few months during the peak farming season, and the prolonged periods of inactivity causes:

- Rust and corrosion
- Flat tires and wheel damage
- Engine and battery degradation
- Reduce Vehicle lifespan

So mr.kishan needs a solution to utilize his farming vehicles more efficiently, reduce maintenance costs, and minimize machine breakdown during the off-season.

Main goal / purpose:

By the problem of idle vehicles leading to machine breakdown our main goal is:

➢ By solving this problem, we can make a positive impact on the agricultural sector, support farmers and other peoples and contribute to sustainable development.

➢ <u>Economic Empowerment :</u>

-By empowering farmers to generate additional income through Vehicle sharing, rentals, or alternative uses.

➢ <u>Technical Advancement :</u>

-Advance the field of agricultural technology by developing innovative solutions for vehicle management.

➢ <u>Cost Savings:</u>

-Create cost-effective methods for peoples to maintain and store vehicles, breakdowns and extending lifespan.

➢ At last, it will be profitable to us and to the users also.

Technical Solution:

By understanding the problem, we can provide potential technical solution like developing a Vehicle sharing app or a website where a user can get a vehicle on rent in needed area or they can give a their vehicles on rent . By

which peoples will get help or they can save a money or can earn profit from it. Just taking an example of Mr.kishan by taking a costly vehicle like tractors, for their farming use but the it remains idle during the off-season so using our platform they can give a tractor on rent during their off-season.

Just like mr.kishan, other peoples having their own vehicle can give a vehicle on rent and can have a profit form it.

Project Scope:

In-scope –

- Development of a vehicle tracking and monitoring system
- Smart storage management system for vehicles
- Vehicle sharing and rotation optimization platform
- Integration with existing farmer management systems and database
- User training and support for farmers and maintenance , and performance
- System testing ,quality assurance and deployment

Out-scope –

- Development of Website for Vehicle tracking
- Vehicle registration and licensing
- Insurance management
- Vehicle tracking for non-agricultural industries
- Installation of maintenance of GPS devices, sensors, or other.
- Hardware customization or development
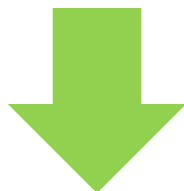- Translation or localization for non-English speaking regions

Assumptions-

- Customers should have basic computer skills
- Internet Connectivity
- Vehicle data will be accurate and up-to-date

Constrains-

- Limited budget for hardware and software development
- Tight project timeline(6 months)
- Limited resources for user training and support

PROTOTYPE

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Machinery

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We supplies different kind of Tractors and equipment's for Various industrial needs.

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Summary

Mahindra Yuvo 575 DI 4WD

🔋 **45HP**

⚙ **2979 CC**

📍 **Khirdi ganesh, kopargaon**

📅 **20/08/2024 12:00AM**

MAHINDRA YUVO 575 DI 4WD

1 day	:	Rs.6000
Other Costs	:	Rs.200
Offer	:	Not-Available

TOTAL PRICE	:	62000

EDIT

BOOK

Your Booking is Successful!

Ok, Thanks